



Q6903HV Aqueous Soft Feel Coating

Aqueous Coating Technical Data Sheet

The Prisco Q6903HV is a specialty work & turn coating for inline application wet trapping over lithographic inks to both sides of the substrate. It is designed to produce a soft, velvety finish that is attractive to the touch. This product has a satin or semi matte appearance and is applied to most papers and boards. When applied it will take some time to harden and cure so proper care and handling is recommended. The printer should be advised to wait at least 8 hours before printing the second pass and one day before any finishing work can be completed. It is also recommended to take special care when shipping and handling. Q6903HV is the latest development of soft feel coating and has excellent leveling characteristics for a smoother finish without sacrificing the soft feel.

Advantages:

- Excellent Leveling for a smooth finish
- Soft Velvety Feel
- Can be
 - Foil Stamped
 - UV Coated
 - Gloss Overprint Varnish

Physical Properties:

Viscosity	38-40 seconds, #3 EZ Zahn timed @ 25°C/77°F
pH	8.0-9.0
Gloss	Satin or Semi Matte Appearance
Solids	34-36%
Wt./gal	8.6-8.8 lbs/gal
Block Resistance	Pass 120°F, 10PSI, 6 Hrs
Rub Resistance	Good @ 200+ Sutherland Rubs w/ 4lb weight

Application:

Commercial Sheetfed
 General Purpose
 Folding Carton

- **Application Viscosity**-Stir and use as received.
 - Viscosity reduction only with Prisco technical support
 - Recommended Application Temperature 70-80°F
- **Equipment**-Blanket and tower coaters, anilox coaters
- **Drying**-Sufficient volumes of warm dry air, and medium and short wave IR. Pile temperatures should range 95-100°F 1st side, and 85-90°F 2nd side
- **Wet Film Weight**-Recommend 1.0-1.2 wet pounds per 1000 square feet of substrate
- **Inks**-Sheetfed lithographic oxidative ink. Wax content should be limited to 2-3% polyethylene.
- **Clean up**-Cleaning is best before coating dries. Use warm water and Prisco Aqueous Coating Cleaner
- **Shelf Life**-6 months stored at room temperature.

Product Code: RW95-55B (55 gallon drum), RW95-30B (30 gallon drum), RW95-5GF (5 gallon pail)

Prisco recommends that you test coatings for specialty applications using the actual raw materials to be used in production prior to printing.

Read MSDS before using this product

Quantum Coatings DBA Prisco is an ISO 9001:2008 Registered Facility



Product Bulletin





1337 Wood Branch Drive, Suite N Charlotte, NC 28273



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Soft Touch Application Recommendations

1. Mix Coating Well Before Using
 - a. Check Temperature and Viscosity-Q6901C is 20-22, #3 Zahn, at 77F. Q6901HV specification is 30-35. Q6903HV is 38-40.
 - b. Adjust with water/alcohol (50:50) if needed with Prisco Technical Support
2. Application Weight is 1-1.2 wet lbs per thousand square feet. The more coating applied the better the look and feel of the product but be certain the dryer can handle the heavier film weight. Some printers find that double hitting the coating in a second pass is needed to improve the look and feel of the piece.
3. This product seems to run better with anilox rollers that have a cell volume greater than 10.5-11 BCM. Printers with anilox rollers between 8 and 10 BCM may encounter issues with coating appearance, back trapping of ink on the blanket, and lack of soft feel. A second pass may also be necessary to get the desired look and feel.
4. Adjust roll coating units as necessary to obtain heavier film weight and desired look and feel.
5. Check pH and Conductivity of Fountain Solution to be certain it's clean and in specification. Monitor ink and water balance to be sure over emulsification is not happening throughout the run.
6. First Pass sheet/pile temperatures should range between 95-100F with a good combination of Medium and Short Wave IR Output. 100% Volume of Warm Air should be applied with Evacuation Volume doubling the Entry Volume.
7. Check First pass piles and wind if necessary to reduce temperature prior to second pass.
8. A wait time of 8 hours is recommended prior to 2nd pass to ensure the temperature is reduced and the job is set and hardened. This extended wait time is simply because of the special nature of this chemistry. Once printers are used to handling the product and get the proper dry speed the wait time is reduced
9. Second Pass sheet/pile temperatures should range between 85-90F by a slight reduction of IR output. Maintain Air and Evacuation volumes.
10. Rack or Tray the Loads if needed on second pass to expedite the drying/oxidation process and to reduce pile temperatures and pressure.
11. If foam becomes an issue throughout the run, add 2.4-4.8 lbs (0.5%-1.0%) of Aqueous Soft Feel Defoamer (RU11) to a full 55 gallon drum.
12. Upon completion of the printing allow 24-48 hours before finishing being certain the job is dry. This will reduce or eliminate marking or scratching issues.
13. Use of a Cross Linker is not required, however, can be added at 5-7% if necessary. The Aqueous Cross Linker #2 (RU65) is used to improve scuff, rub, and block resistance. Only add cross linker to the amount of coating required for the job. The shelf life is limited to 24 hours after addition of cross linker. Unused cross linked coating will need to be properly disposed.

PRINTERS' SERVICE

26 Blanchard Street
Newark, New Jersey 07105
(212) 962-6565 • (973) 589-7800
FAX (973) 589-3225
www.prisco.com

ATLANTA
800-241-6049
404-876-1234
FAX: 404-873-2917

BOSTON
781-749-4590
FAX: 781-740-2866

CHICAGO
800-654-1357
630-543-4600
FAX: 630-543-0856

DALLAS
800-338-2241
817-477-4770
FAX: 817-473-4515

LOS ANGELES
800-825-4846
909-923-1879
FAX: 909-923-4079

MIAMI
800-432-5068
954-385-1975
FAX: 954-385-8875

NEW YORK/NEWARK
973-589-7800
212-962-6565
FAX: 973-589-3225

PHILADELPHIA
800-222-0146
856-662-3373
215-462-3636
FAX: 856-486-4552

**PRISCO CANADA
TORONTO**
888-460-4406
905-953-9393
FAX: 905-953-1331

PRISCO EUROPE (U.K.)
44(0)1423 810 320
FAX: 44(0)1423 810 319
PRISCO EUROPE (Continent)
32(0)56 42 35 76
32(0)56 42 35 97